



TECHNICAL BULLETIN

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CIRCULATE TO:	Service Mgr	Warranty	Workshop	Body Shop	Parts
	X	X	X		X

ISSUE '4' CHANGES ARE HIGHLIGHTED WITH GRAY BACKGROUND

SECTION: 303

'Chirp' Noise on Engine Cold Start - Repair Procedure

AFFECTED VEHICLE RANGE:

LR3 (LA) 4.4L V8 Only	VIN: 5A300360 - 7A449838 Model Year: 2005 - 2007
Range Rover (LM)	VIN: 6A164480 - 7A257088 Model Year: 2006 - 2007
Range Rover Sport (LS)	VIN: 6A900129 - 7A999999 7A100001 - 7A129334 Model Year: 2006 - 2007

CONDITION SUMMARY:

Situation: On vehicles equipped with the 4.2L / 4.4L V8 engine, a 'chirp' noise on engine cold start heard coming from the front end accessory drive (FEAD) belt may be due to the belt 'wandering' on the idler pulley.

Action: In the event of a customer concern of the above, refer to the Repair Procedure outlined below to replace the idler pulley and FEAD belt.

PARTS:

PQR500350Idler pulley	Qty: 1
PQR500330FEAD belt (LR3 [4.4L V8 Only], Range Rover Sport)	Qty: 1
PQR500340FEAD belt (Range Rover Sport with Dynamic Response)	Qty: 1
PQR500320FEAD belt (Range Rover)	Qty: 1

TOOLS:

Refer to Workshop Manual (GTR) for any required special tools

WARRANTY:



NOTE: Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.



Description	SRO	Time (hours)	Condition Code	Causal Part
Modify the fan pulley mounting bracket - Range Rover - Naturally Aspirated	86.10.89/29	1.50	43	PQR500130
Modify the fan pulley mounting bracket - Range Rover - Supercharged	86.10.89/29	1.80		
Modify the fan pulley mounting bracket - Range Rover Sport - Supercharged	86.10.89/29	0.80		
Modify the fan pulley mounting bracket - Range Rover Sport - Naturally Aspirated	86.10.89/29	0.70		
Modify the fan pulley mounting bracket - Discovery 3 / LR3 - 4.4L V8 Only	86.10.89/29	0.70		

Normal warranty policy and procedures apply.

REPAIR PROCEDURE

REPLACE "FEAD" BELT AND IDLER PULLEY AND MODIFY FAN PULLEY BRACKET



NOTE: Global Technical Reference (GTR) lookup sequence is as follows:
GTR Home > NAS > Model > Service Information > Model Year > Workshop Manuals > 3: Powertrain > 303-05 Accessory Drive Belt

1. Refer to Workshop Manual (GTR) Section 303-05 (86-10.03) to remove the idler pulley and FEAD belt.
2. Undo the five bolts and remove the fan pulley bracket.
3. Place the fan pulley bracket in a vice.
4. Modify the bracket using a suitable file or grinding tool as illustrated. (Figure 1)
5. Install the fan pulley bracket and tighten bolts to **22-28Nm (16-20.5 lbf ft)**.



CAUTION: The minimum recommended clearance must be obtained.

6. When the new idler pulley is installed, verify a minimum of **1mm (0.040 inch)** clearance to the pulley mounting bracket.
7. Refer to Workshop Manual (GTR) Section 303-05 (86-10.03) to install the new idler pulley and FEAD belt.

Figure 1

